

# CRP725 – Knowles Road Improvement Project

CHELAN COUNTY PUBLIC WORKS

VIRTUAL OPEN HOUSE

NOVEMBER 4, 2021



# Welcome!

## ▶ Virtual Open House Etiquette

- ▶ Microphones and video will be turned off until we get to the question portion of the presentation.
- ▶ When we reach the question portion, please use the “raise your hand” function to signal you would like to speak. We will be watching for raised hands and will call on you.
- ▶ If we miss you, please email your question to [jillm.fitzsimmons@co.chelan.wa.us](mailto:jillm.fitzsimmons@co.chelan.wa.us).
- ▶ When asking a question, please give your full name and address.
- ▶ Please stick to the topic of the Knowles Road improvement project.
- ▶ If you have a specific question about your property that will require one-on-one time with our project designer, we will schedule an appointment after this meeting to speak more with you.
- ▶ This event is being recorded and will be posted to the project website next week.
- ▶ We hope to stick to one hour tonight.



# Meeting Format:

## ▶ INTRODUCTIONS

### ▶ Chelan County Public Works

#### ▶ Design and Construction

▶ Lawrence Dillin, Designer

▶ Eric Pierson, Public Works Director/County Engineer

▶ Paula Cox, Assistant County Engineer

#### ▶ Commissioners

▶ Tiffany Gering, County Commissioner District No. 3

▶ Bob Bugert, County Commissioner District No. 2

### ▶ Chelan PUD (Waterline replacement)

▶ Courtney Hill, Project Manager

### ▶ City of Wenatchee (Sanitary sewer)

▶ Jeremy Hoover, Senior Engineer

## ▶ PROJECT OVERVIEW

▶ Roadway and utility improvements

▶ Construction Impacts

## ▶ FUTURE EASY ST./SCHOOL ST. INTERSECTION PROJECT

## ▶ QUESTION-AND-ANSWER

# Sunnyslope Background

- ▶ The Knowles Road improvement project will address the growth in the Sunnyslope area.
  - ▶ A land use forecast for the Sunnyslope area project shows use will double in the next 20 years.
- ▶ The current roadway does not sufficiently serve the developing area.
  - ▶ Roadway is narrow and lacks pedestrian and bike facilities.
- ▶ Full rebuild of Knowles Road will be done in two phases (scope and budget).
  - ▶ This first phase focuses on safety and mobility. Improving work commutes and access to nearby Sunnyslope Elementary School.
  - ▶ Improvement ongoing drainage issues that damage the road's surface and shoulders.
  - ▶ Will install new domestic water and sanitary sewer facilities.

# Project Overview

- ▶ The project has been awarded a nearly \$1.4 million grant from the state Transportation Improvement Board's Urban Arterial Program. It will also be paid for with local county road funds, Chelan County Stormwater, PUD, and City of Wenatchee funds.
- ▶ The first phase of the project is from School Street to American Fruit Road. Includes the American Fruit and Knowles roads intersection. The second phase of the project, which is not yet funded and does not have a start date, will be above American Fruit Road ~1/4 mile.

# Project Area

Phase III  
1,400 linear feet  
Future Project

Phase II  
2,200 linear feet  
Currently Funded

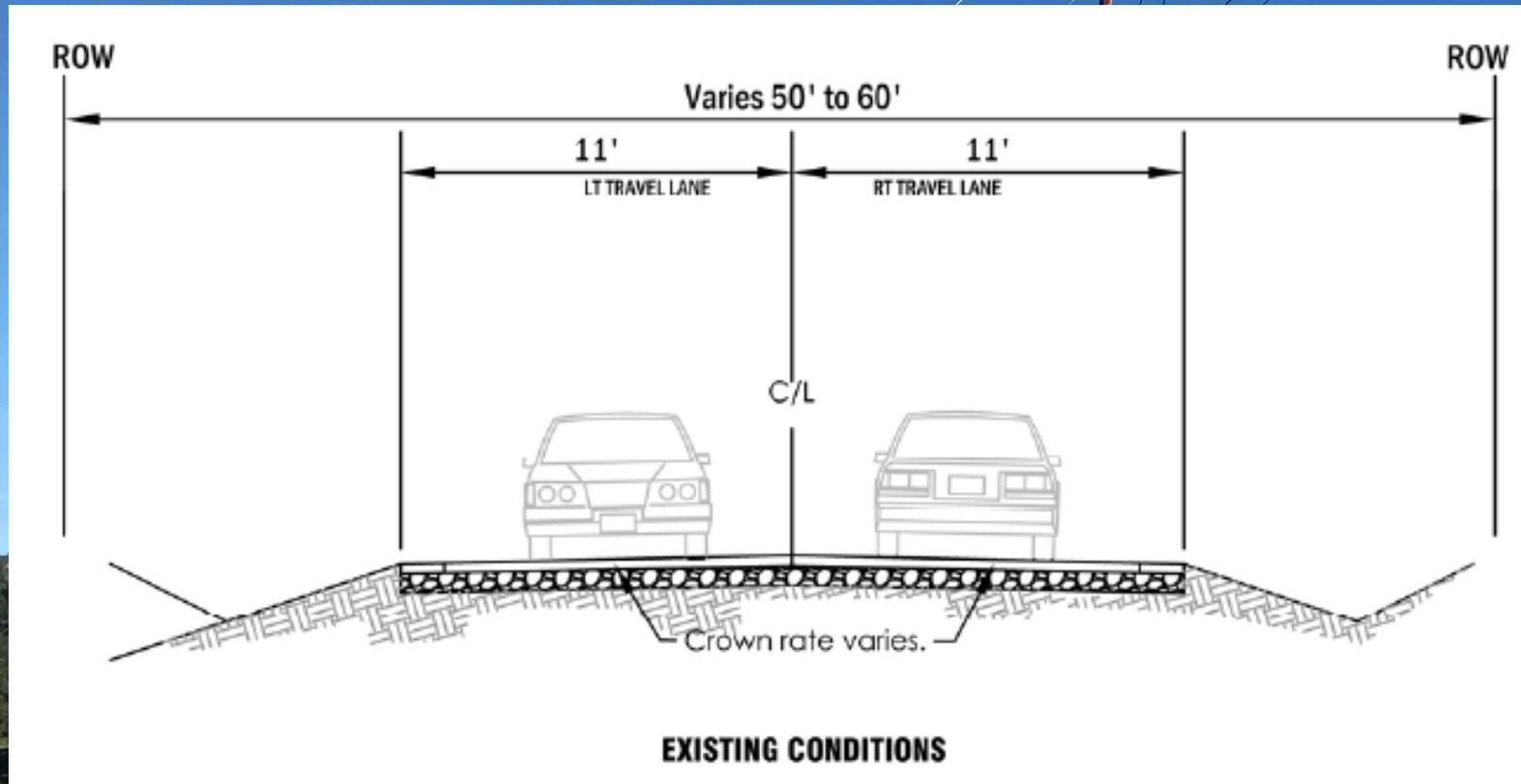
Existing Conditions  
Sidewalk

New Sidewalk

Pedestrian Access Continuity  
(to Sunnyslope School)

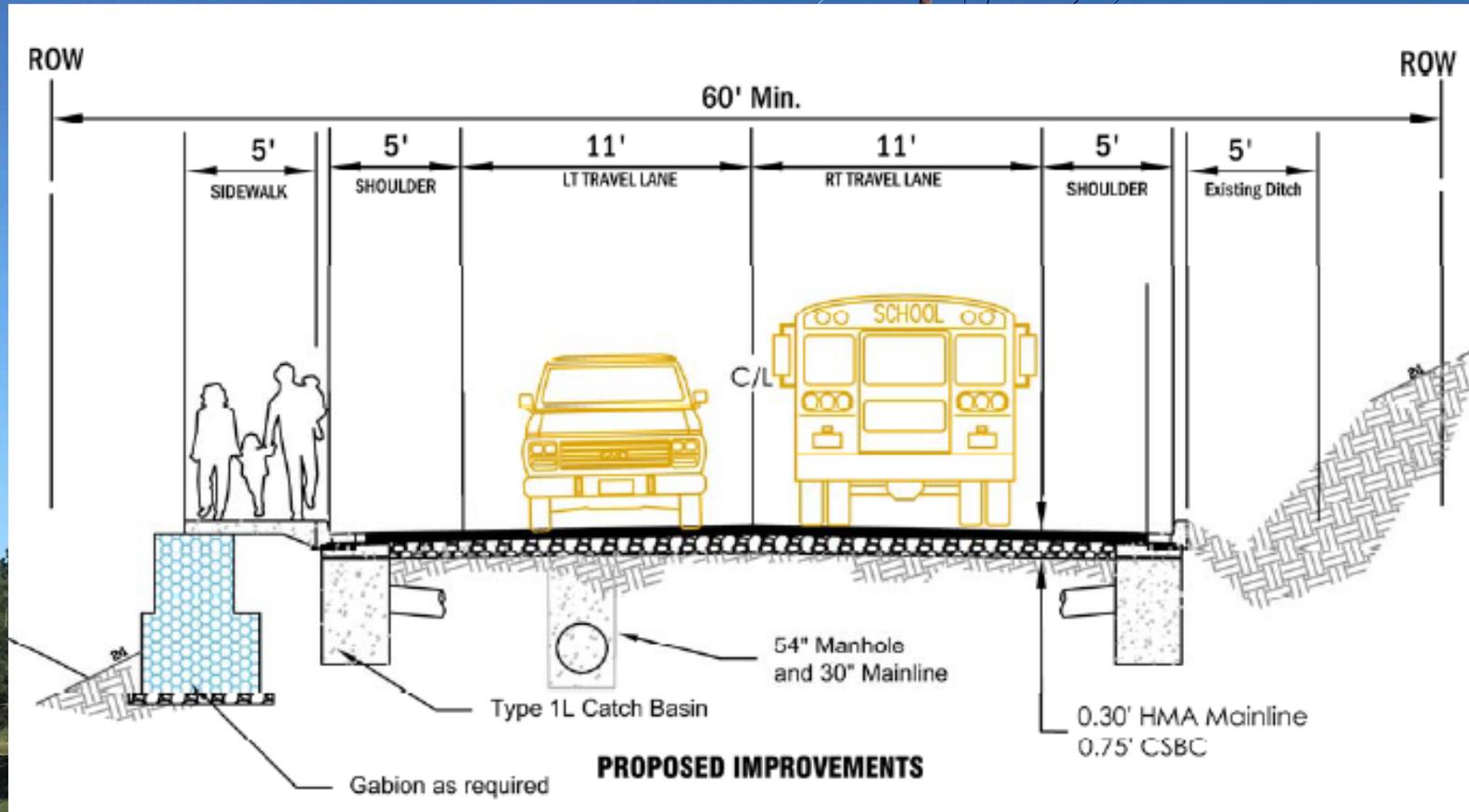


# Existing/Proposed Conditions



The project will improve roadway safety for pedestrians, bicyclists and motorists. It also will improve the road structure, allowing for a smoother ride and a shared, multi-use shoulder.

# Existing/Proposed Conditions

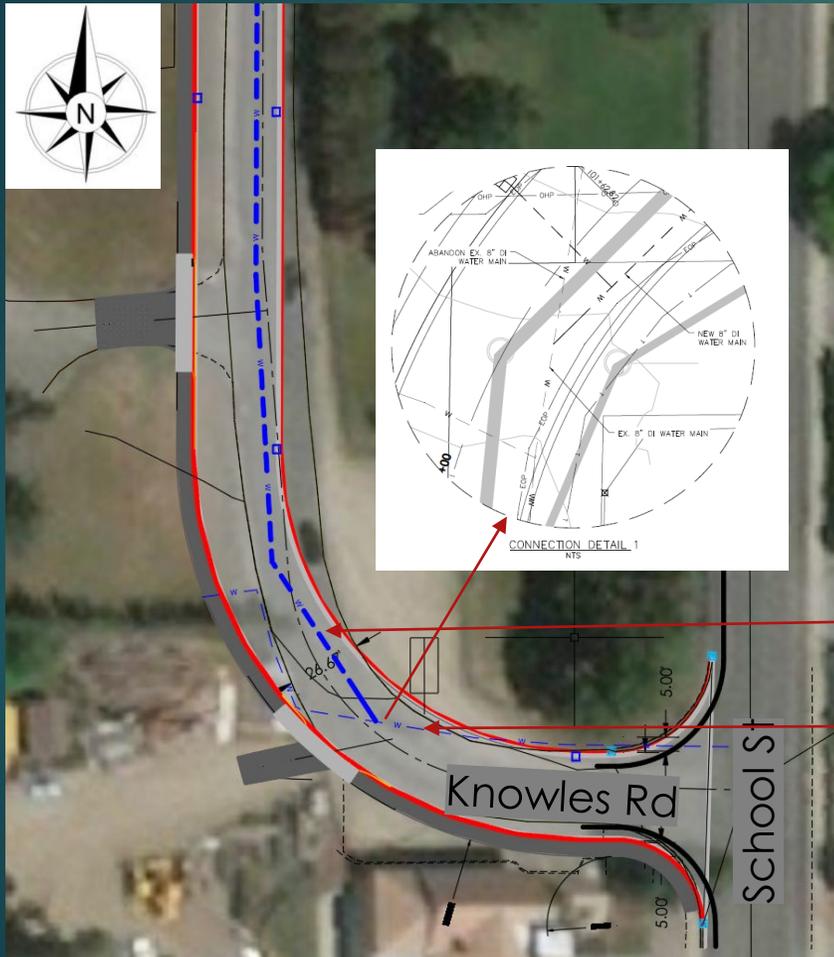


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# Chelan PUD - Waterline

- ▶ Chelan PUD is planning to replace approximately 1,400 feet of existing 4-inch steel water main with approximately 2,200 feet of new 8-inch ductile iron main.
- ▶ The timing of the project is well suited for replacement of the steel water main, which is at the end of its useful life.
- ▶ The new 8-inch main will increase capacity and reliability of the water system in the area.
- ▶ The project also includes installing four new fire hydrants and replacing six customer connections.
- ▶ Water outages will be required for connections of the new main to the existing main and for connecting customer service lines from existing to new meter chambers.
- ▶ Affected customers will be notified of scheduled outages 24 to 48 hours in advance of when the outage will occur.

# Chelan PUD - Waterline



New 8"

Existing 8"

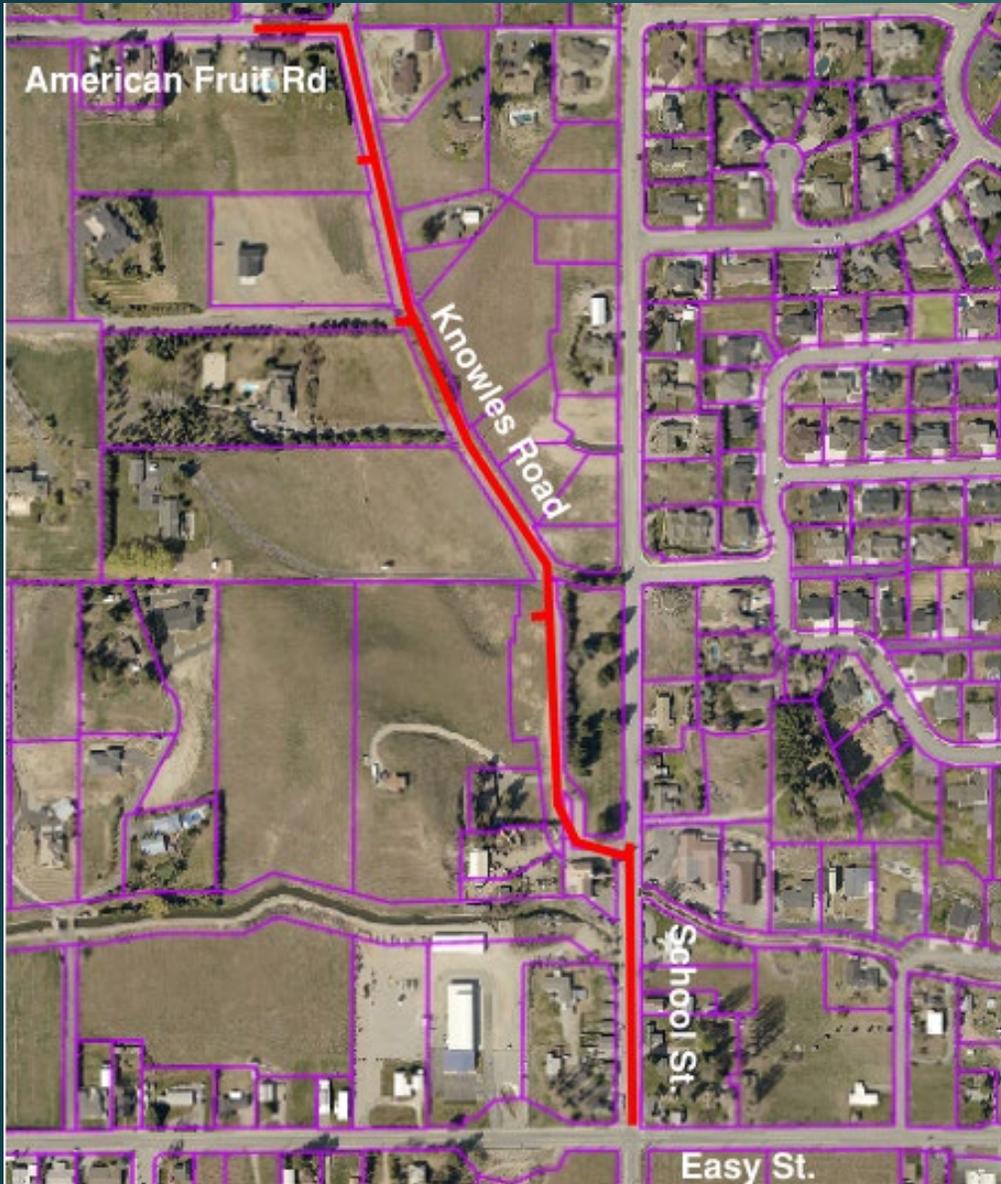


Existing 4"

New 8"

# City of Wenatchee Sanitary Sewer

- ▶ The City of Wenatchee will be installing new Sanitary Sewer main lines as well as side sewer pipes during the project.
- ▶ There are three sections of main line that are required before service is available:
  - South of Easy St. on School St.  
(Developer funded)
  - North of Easy St. on School St. to Knowles Rd.  
(Constructed with this project)
  - Along Knowles Rd. and in American Fruit Rd. west from Knowles  
(Constructed with the project)



# New City of Wenatchee Sanitary Sewer Main Lines

# City of Wenatchee Sanitary Sewer

Residents connecting to City of Wenatchee sewers are responsible for paying connection fees in the form of a System Investment Fee (SIF), Local Facilities Charge (LFC), and an Inspection Fee, according to the following table

**City Sanitary Sewer Connection Fees & Rates**  
**Wenatchee City Codes 4-08.035, 4-08.036, 4-08.037**

<b>Sewer System Investment Fee</b>	<b>\$3,710.00</b>
<b>Conenction Inspection Permit Fee</b>	<b>\$100.00</b>
<b>Local Facilities Charge (2022)*</b>	<b>\$6,453.19</b>
<b>Sunnyslope Local Facilities Charge (2022)*</b>	<b>\$4,004.34</b>
<b>30% Credit on LFC**</b>	<b>-\$1,935.96</b>
<b>30% Credit for Sunnyslope LFC**</b>	<b>-\$1,201.30</b>
<b>Total amount for Single Family Residences (Existing) with credit</b>	<b>\$11,130.27</b>
<b>Total amount for Single-Family Residences (New Construction)</b>	<b>\$14,267.53</b>
<b>Monthly Sewer Bill Amount (2022)***</b>	<b>\$33.29</b>

\* LFC will increase by 1.0% per year

\*\* 30% LFC Credit applies to new connections for existing Single-family residences within 2 years from service availability

\*\*\* Monthly Rate will increase by 6.0% per year

# City of Wenatchee Sanitary Sewer

Multi-Family Developments are assessed an additional SIF in the amount of \$2,782.50 per each Equivalent Residential Unit (ERU)

Properties connecting to sewer mains installed by private developers (non-City) will be exempt from the Local Facilities Charge

# City of Wenatchee Sanitary Sewer

## PROPOSED ORDINANCE CHANGES

Upcoming revisions to the Wenatchee City Code  
Section 4-08 will be heard by City Council on November 18, 2021

It will affect the future monthly rate increases as well as how Multi-Family Residences are assessed their LFC and SIF charges

# Knowles Road Project Status

- ▶ Currently finalizing design plans
- ▶ Advertisement for bids on November 16
- ▶ Award Contract to low bidder in December
- ▶ Construction to commence February 28
- ▶ Construction is expected to take ~25 weeks (Finishing in September)

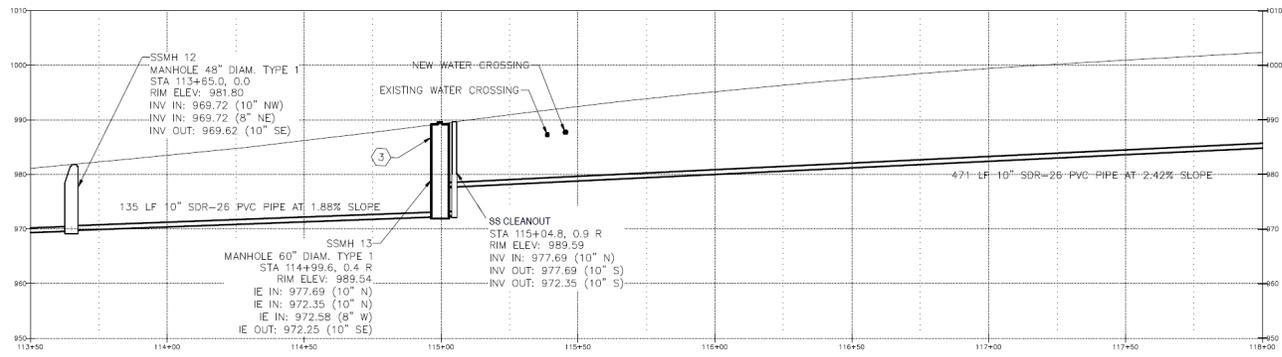
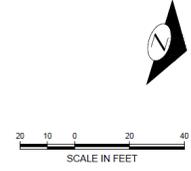
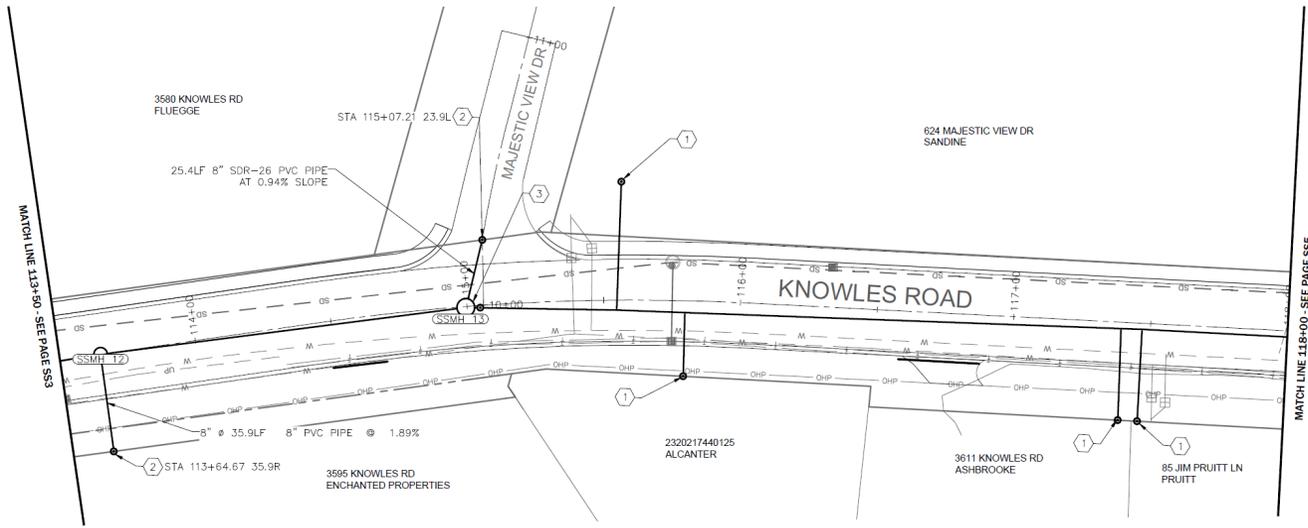
# What to Expect During Construction

- ▶ Project will require two detours (limited duration)
  - ▶ School Street – February 28 thru April 1
    - ▶ Required for trench excavation and boring under the dry irrigation canal
    - ▶ Additional parking available if required
  - ▶ Knowles Road – 40 working days
    - ▶ Required for trench excavation and narrow roadway
    - ▶ Detour allowed after school is out
  - ▶ During detours, residents abutting roadway will have driveway access
- ▶ When the detours are complete, the road will be at one lane, with flaggers directing traffic

# Trench Excavation



# Trench Excavation



SIDE SEWER SERVICE TABLE						
ADDRESS	STA & OFFSET	LENGTH	DIA	SLOPE	INVERT @ PROPERTY LINE	CLEANOUT
624 MAJESTIC VIEW DR	STA 115+54.71	47.00 LF	6" PVC PIPE	2.00%	980.67	NO
2320217440125	STA 115+79.69	23.00 LF	6" PVC PIPE	2.00%	980.80	NO
3611 KNOWLES	STA 117+39.31	33.00 LF	6" PVC PIPE	2.00%	984.86	NO
85 JM PRUITT LN	STA 117+46.90	33.00 LF	6" PVC PIPE	2.00%	984.38	NO

### GENERAL NOTES:

- SANITARY SEWER MANHOLES SHALL CONFORM TO WSDOT STD PLAN B-15-20. FRAME AND COVER SHALL BE PER CITY OF WENATCHEE STD PLAN S-150.

### CONSTRUCTION NOTES:

- INSTALL 6" SIDE SEWER PER CITY OF WENATCHEE STD PLAN S-100 WITH 6" SEWER CAP AND ELECTRONIC MARKER IN ACCORDANCE WITH SPECIFICATION 7-18.3(5). SEE SIDE SEWER SERVICE TABLE.
- INSTALL 8" SEWER CAP AND ELECTRONIC MARKER IN ACCORDANCE WITH SPECIFICATION 7-18.3(5).
- INSTALL DROP MANHOLE IN ACCORDANCE WITH THE STANDARD DETAIL SHOWN ON SSD1.

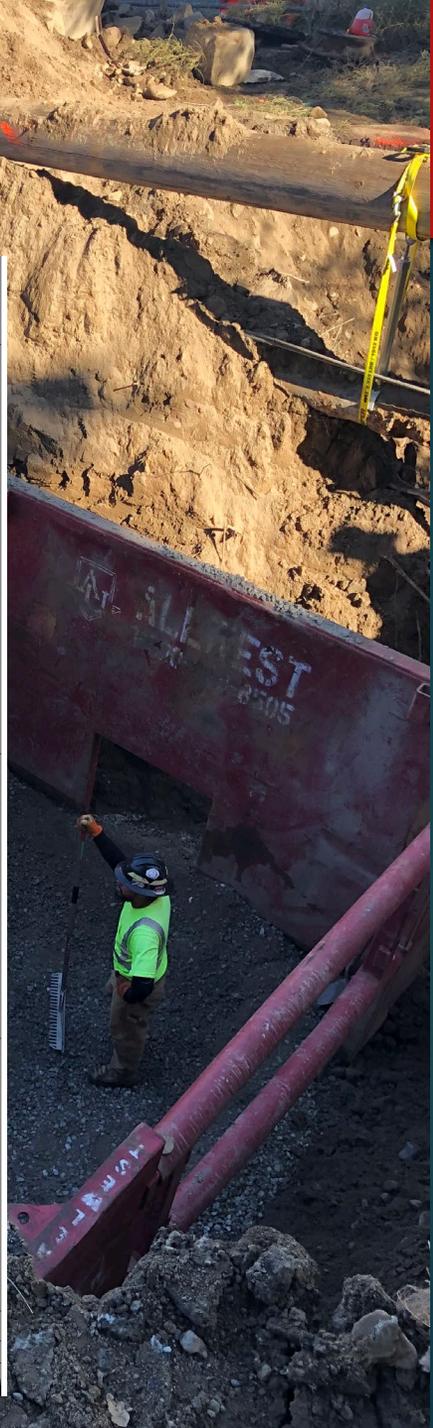


KNOWLES ROAD PHASE II  
SEWER PLAN AND PROFILE



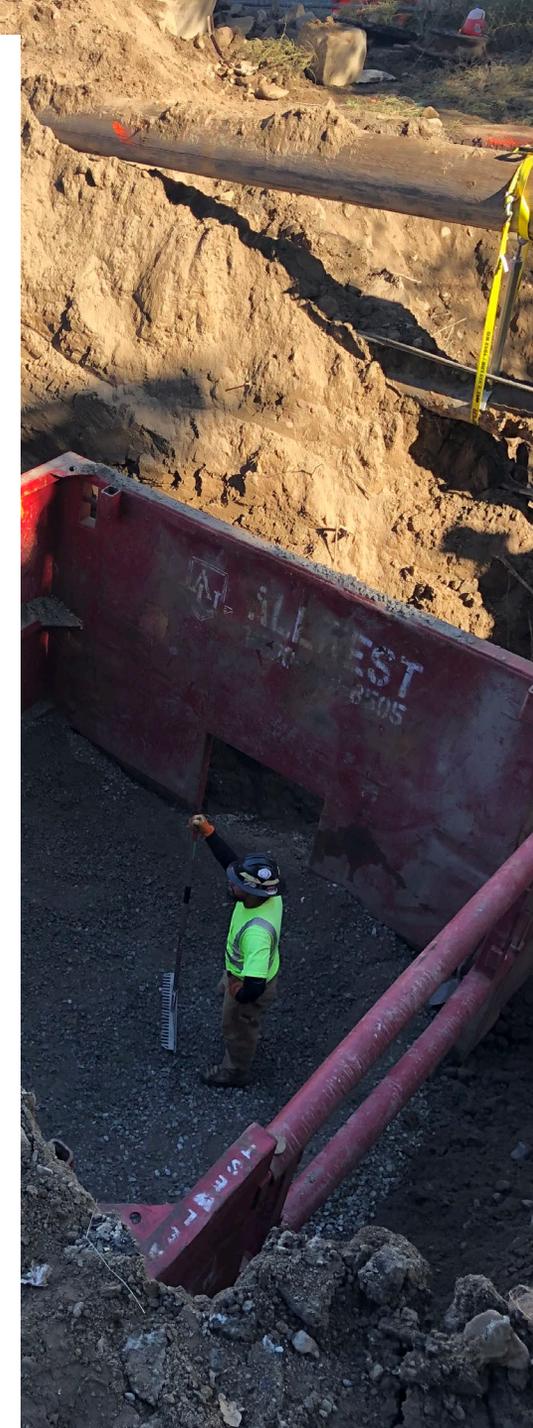
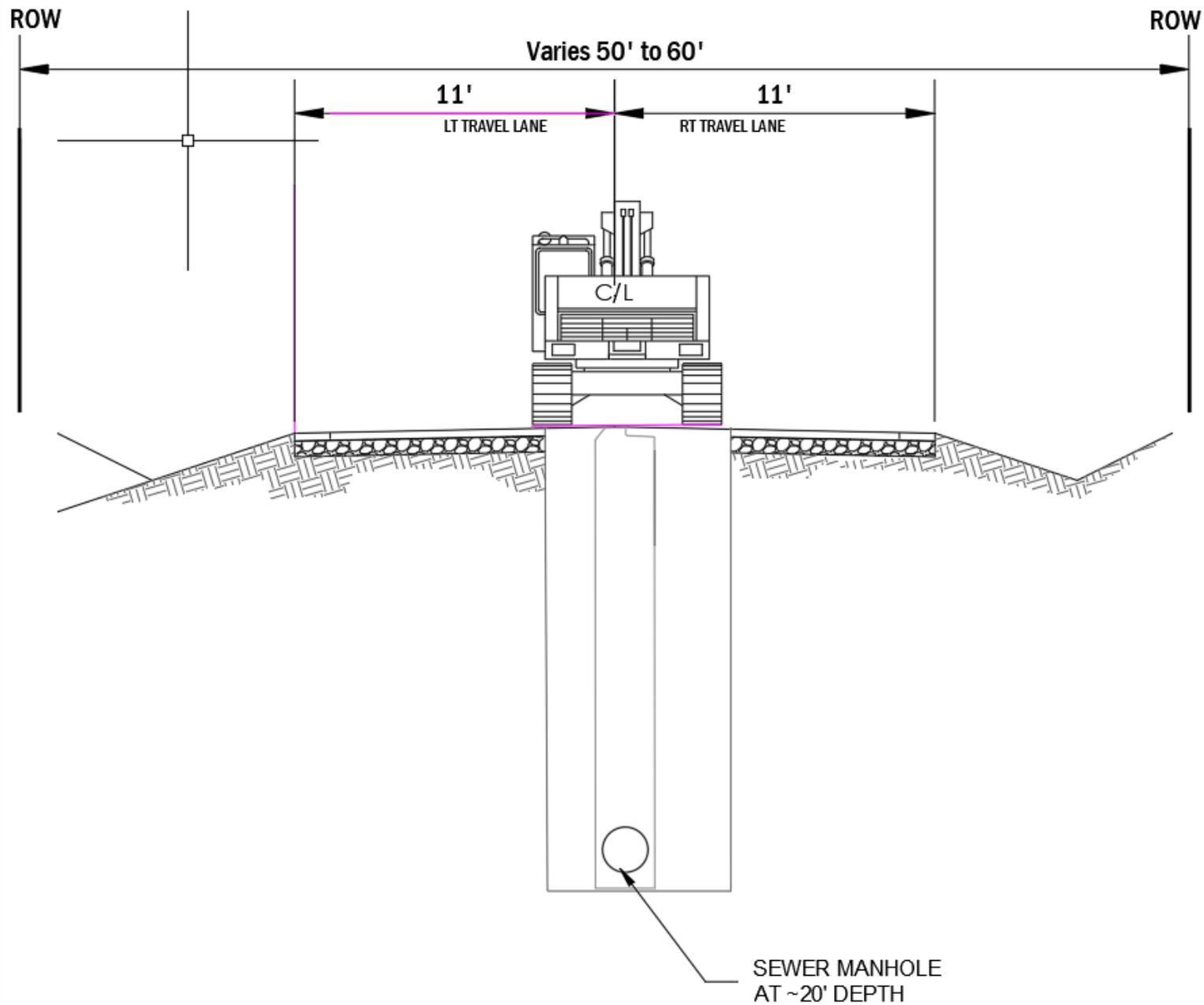
DATE DRAWN	DESIGNED	DRAWN	CHECKED	APPROVED	REVISIONS
10.11.2021	AJS	AJS	NJH	NJH	
10.11.2021	AJS	AJS	NJH	NJH	

PROJECT NO. 1908  
PAGE 26 OF 69





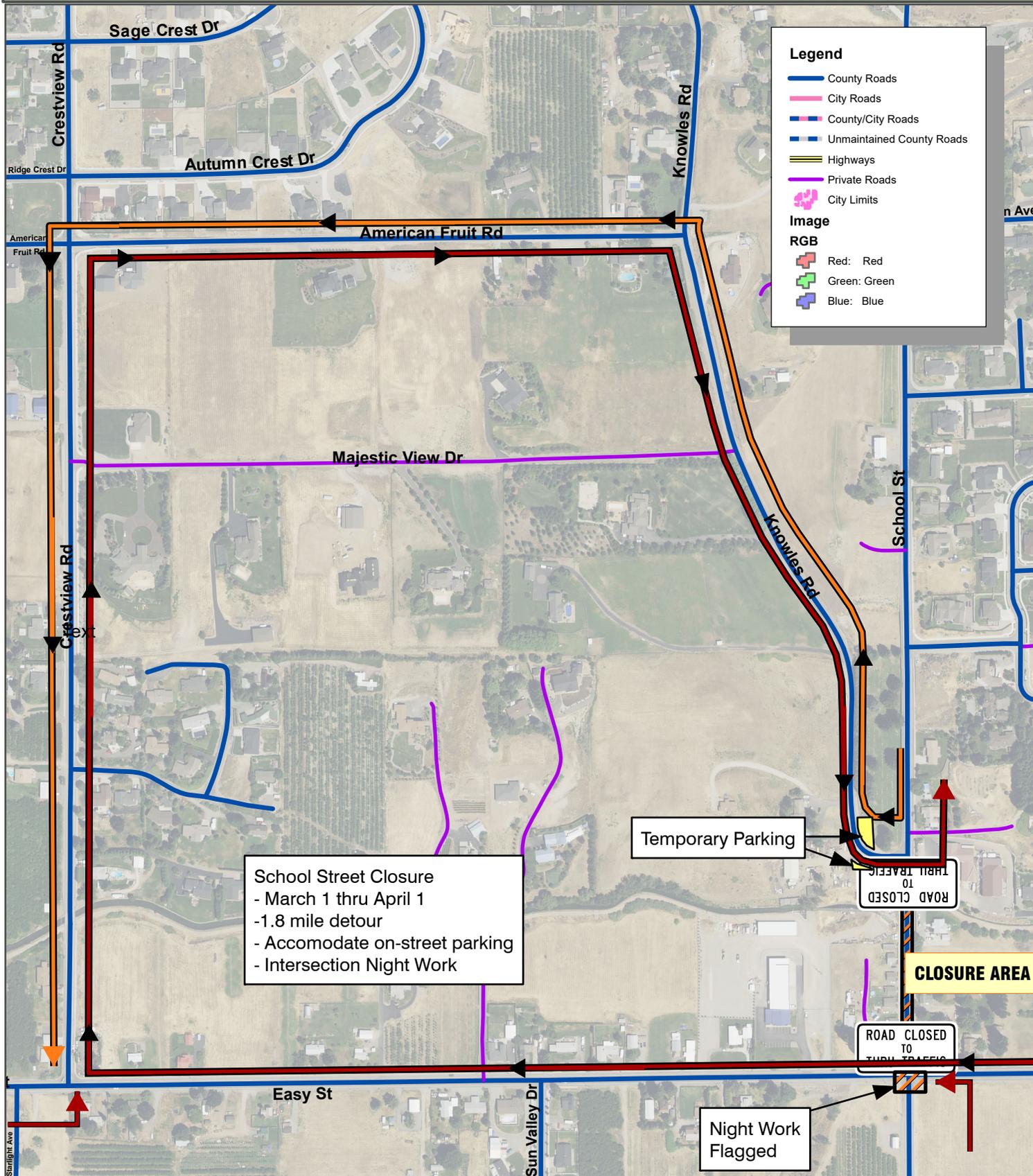
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# Proposed Detour Layouts

- ▶ [School St. Detour](#)
- ▶ [Knowles Rd. Detour](#)

# CHELAN COUNTY PUBLIC WORKS - SCHOOL STREET DETOUR



School Street Closure  
 - March 1 thru April 1  
 - 1.8 mile detour  
 - Accomodate on-street parking  
 - Intersection Night Work

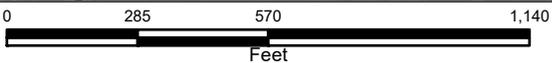
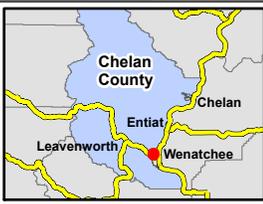
Temporary Parking

ROAD CLOSED TO TURN TRAFFIC

CLOSURE AREA

ROAD CLOSED TO TURN TRAFFIC

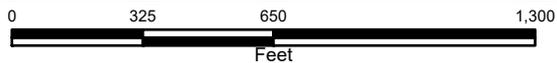
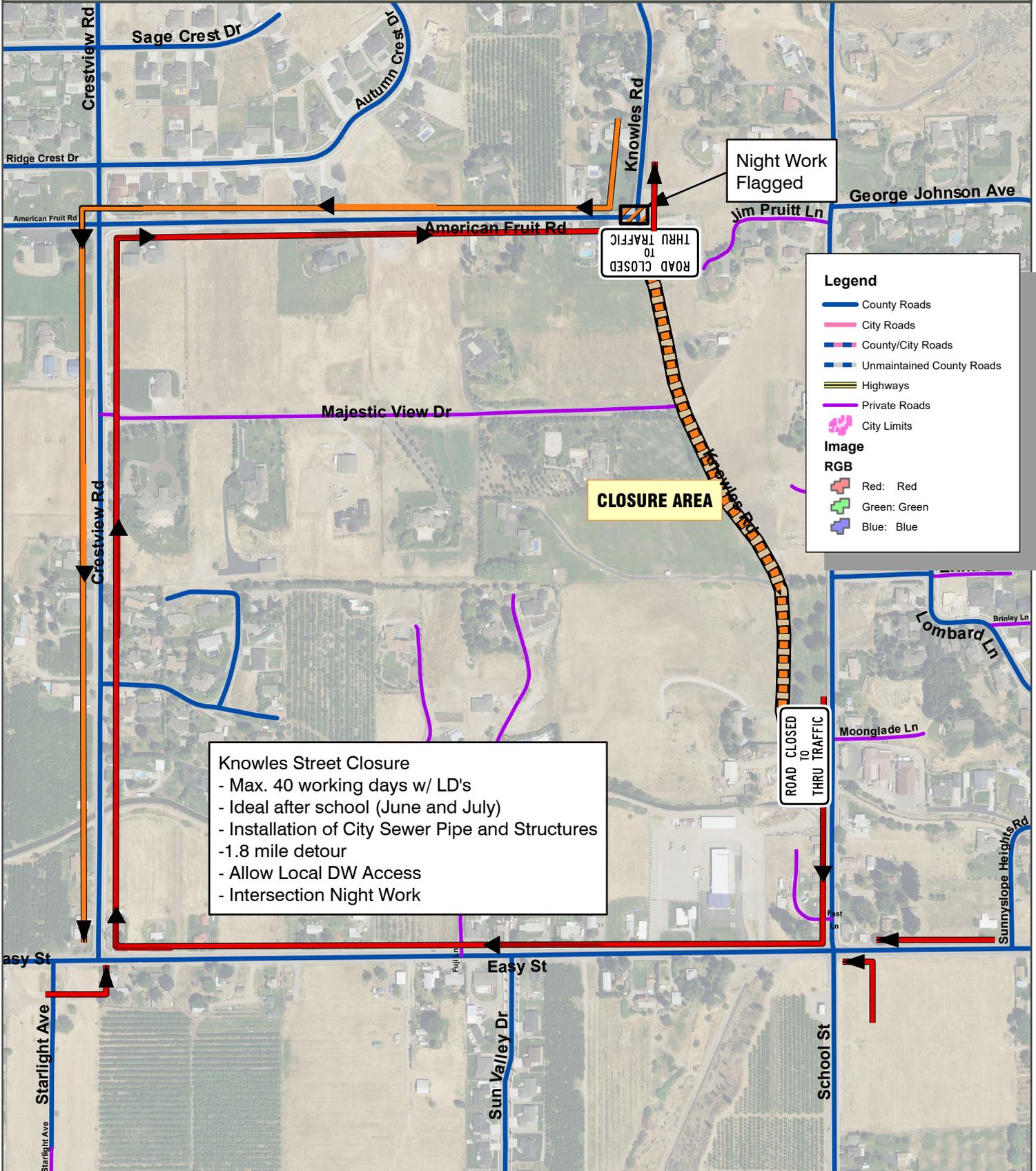
Night Work Flagged



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Print Date: 9/9/2021

# CHELAN COUNTY PUBLIC WORKS - KNOWLES ROAD DETOUR



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Print Date: 9/9/2021

# Updates During Construction

- ▶ Chelan County will notify services of traffic impacts:
  - ▶ Emergency Services
  - ▶ Mail Delivery
  - ▶ Garbage Pick Up
  - ▶ School Bus Routes

# Questions:

- ▶ Chelan County Public Works Team (Road design/CN admin)
  - ▶ Lawrence Dillin, Designer
  - ▶ Eric Pierson, Public Works Director/County Engineer
  - ▶ Paula Cox, Assistant County Engineer
- ▶ Chelan County PUD (Waterline replacement)
  - ▶ Courtney Hill, Project Manager
- ▶ City of Wenatchee (Sanitary Sewer)
  - ▶ Jeremy Hoover, Senior Engineer

# Easy Street / School St. Intersection Improvement

- ▶ Preliminary Design is underway
- ▶ Roundabout is the proposed improvement option
- ▶ Construction to be in 2025 and related to apartment construction

# Stay Connected:

- ▶ For more project information, please go to CCPW website for project updates: <https://www.co.chelan.wa.us/public-works/pages/knowles-road>
- ▶ As we have updates on the project we will send them out on the project's **listserv**. Sign up for emailed updates online, or email us at [public.works@co.chelan.wa.us](mailto:public.works@co.chelan.wa.us)
- ▶ Contact us directly: CCPW Office: 667-6415
  - ▶ Email: [public.works@co.chelan.wa.us](mailto:public.works@co.chelan.wa.us) (general questions)
  - ▶ Email: [Lawrence.dillin@co.chelan.wa.us](mailto:Lawrence.dillin@co.chelan.wa.us) (property-specific questions)

THANK YOU!

